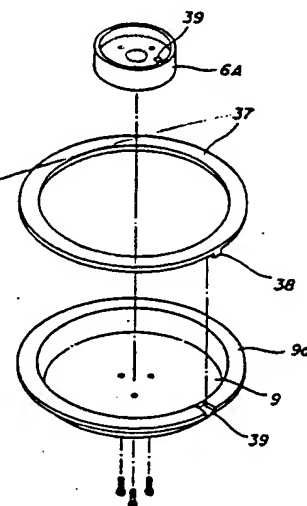


(54) ASSEMBLING METHOD FOR DISC DRIVING MOTOR

(11) 61-76047 (A) (43) 18.4.1986 (19) JP
 (21) Appl. No. 59-197782 (22) 22.9.1984
 (71) ALPS ELECTRIC CO LTD (72) AKIRA ICHIHARA
 (51) Int. Cl. H02K15/02, G11B19/20, H02K29/00

PURPOSE: To heighten the accuracy of the position of a pulse generator (PG) magnet, by a method wherein the PG magnet is formed to be integrated with a frequency generator (FG) magnet and is positioned to be fitted on a fitting groove chipped on a rotor yoke.

CONSTITUTION: A FG magnet 37 and a PG magnet 38 are integrally formed by using magnetic material which can be molded with a metal mold, and the PG magnet 38 is fitted on the PG magnet fitting groove 39 formed on the FG magnet fitting section 9a of a rotor yoke 9, and the FG magnet 37 is integrally combined with the rotor yoke 9 by bonding the magnet 37 to the magnet fitting section 9a of the rotor yoke 9. In this manner, the accuracy of the position of the PG magnet is heightened, and the interchangeability of a floppy disk can be obtained.

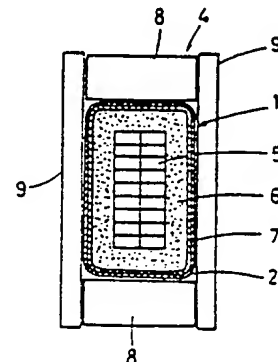


(54) INSULATING METHOD FOR STATOR COIL

(11) 61-76048 (A) (43) 18.4.1986 (19) JP
 (21) Appl. No. 59-197665 (22) 20.9.1984
 (71) MEIDENSHA ELECTRIC MFG CO LTD (72) TAKASHI TOKUDA(1)
 (51) Int. Cl. H02K15/12

PURPOSE: To minimize a working space without necessitating an expensive heating and pressure-molding making machine, by a method wherein an insulated coil conductor contained in a mold is vacuum pressure-impregnated with resin and the resin is hardened in a drying furnace.

CONSTITUTION: A coil conductor 1 is provided with a main insulation of mica tape and with a semiconductor layer 7 on which Teflon film tape 2 for insulation is wound up leaving a coil end unwound. The sides of the insulated coil 1 are contained in a mold 4 consisting of core bars 8 and side plates 9 and are tightened. And in a state that the coil 1 is contained in the mold 4, the coil 1 is vacuum pressure-impregnated with resin, and the resin is hardened in a drying furnace as specified, and finally, the mold 4 is removed and the Teflon film tape 2 for the outermost layer is also removed. By this process, pressure need not be applied at the time of heating at a high temperature, and so, stress applied on an insulating layer 6 can be minimized and an expensive heating and pressure-molding making machine also is not needed.



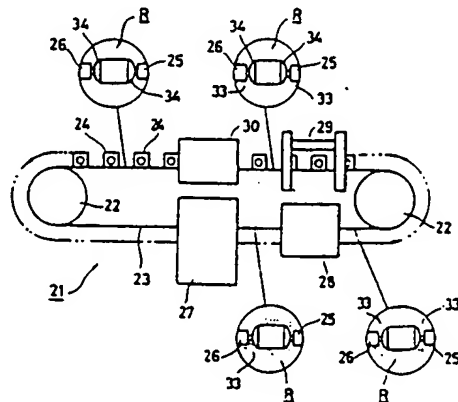
5: wire conductor

(54) FIXING METHOD FOR COIL FOR ROTARY ELECTRIC MACHINE

(11) 61-76049 (A) (43) 18.4.1986 (19) JP
 (21) Appl. No. 59-198152 (22) 21.9.1984
 (71) KURIEITO SYST K.K. (72) MASAJI MATSUMOTO
 (51) Int. Cl. H02K15/12

PURPOSE: To heighten the efficiency of a production, by a method wherein an insulation coating film for fixing a coil for a rotary electric machine is formed with electrostatic coating.

CONSTITUTION: When a chain conveyor 23 is conveyed by sprockets 22, then rotors R retained by jigs 24 for retaining some units to be coated are conducted into an electrostatic coating tank 27, and pulverulent resin 33 sticks electrostatically to all of the units therein. In other words, the pulverulent resin 33 sticks not only to the coil on the end face of a laminated core, but to the outer periphery of the laminated core 12 and to a coil surface in a slot through the space for the slot. And after the pulverulent resin 33 stuck to insulation-coating-filmless sections except the coil is removed in a cleaning apparatus 28, the rotors R are heated through a high-frequency heater 29, and as the result, the pulverulent resin 33 is fused and formed into a fixed insulation coating film 34.



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Title: **JP61076049A2: FIXING METHOD FOR COIL FOR ROTARY ELECTRIC MACHINE**

Country: **JP Japan**
Kind: **A**

Inventor(s): **MATSUMOTO MASAJI**

Applicant/Assignee: **KURIEITO SYST KK**
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Issued/Filed Dates: **April 18, 1986 / Sept. 21, 1984**

Application Number: **JP1984000198152**

IPC Class: **H02K 15/12;**

Priority Number(s): **Sept. 21, 1984 JP1984000198152**

Abstract: **Purpose:** To heighten the efficiency of a production, by a method wherein an insulation coating film for fixing a coil for a rotary electric machine is formed with electrostatic coating.

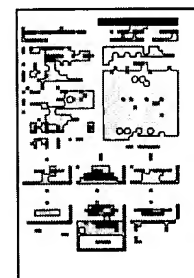
Constitution: When a chain conveyor 23 is conveyed by sprockets 22, then rotors R retained by jigs 24 for retaining some units to be coated are conducted into an electrostatic coating tank 27, and pulverulent resin 33 sticks electrostatically to all of the units therein. In other words, the pulverulent resin 33 sticks not only to the coil on the end face of a laminated core, but to the outer periphery of the laminated core 12 and to a coil surface in a slot through the space for the slot. And after the pulverulent resin 33 stuck to insulation-coating-filmless sections except the coil is removed in a cleaning apparatus 28, the rotors R are heated through a high-frequency heater 29, and as the result, the pulverulent resin 33 is fused and formed into a fixed insulation coating film 34.

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